



THE NATION'S

URANIUM PROCESSING FACILITY

Richard Brown

UPF Procurement Director

Y-12 National Security Complex

June 11, 2014

9212 The Nation's Warhorse



1945

9212 The Nation's Warhorse



2014



THE NATION'S **URANIUM PROCESSING FACILITY**



UPF: Serving the Nation's Missions For the Next 50 Years



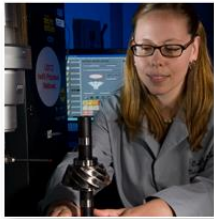
Stockpile
Refurbishments



Disassembly/Dismantlement



Nuclear
Nonproliferation



Weapons
Surveillance



Nuclear Power



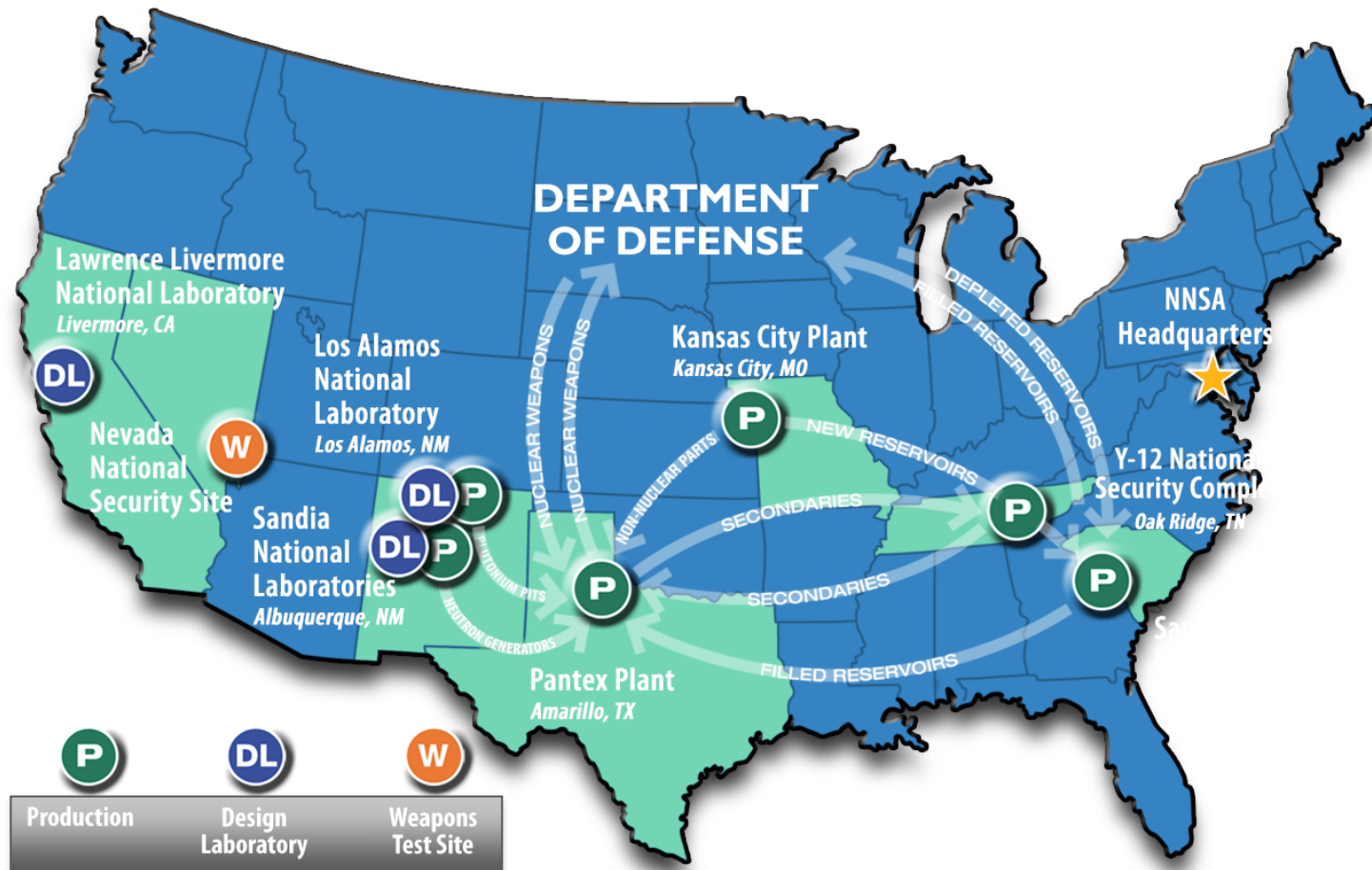
Naval Reactors



Medical
Isotopes

Nuclear Security Enterprise

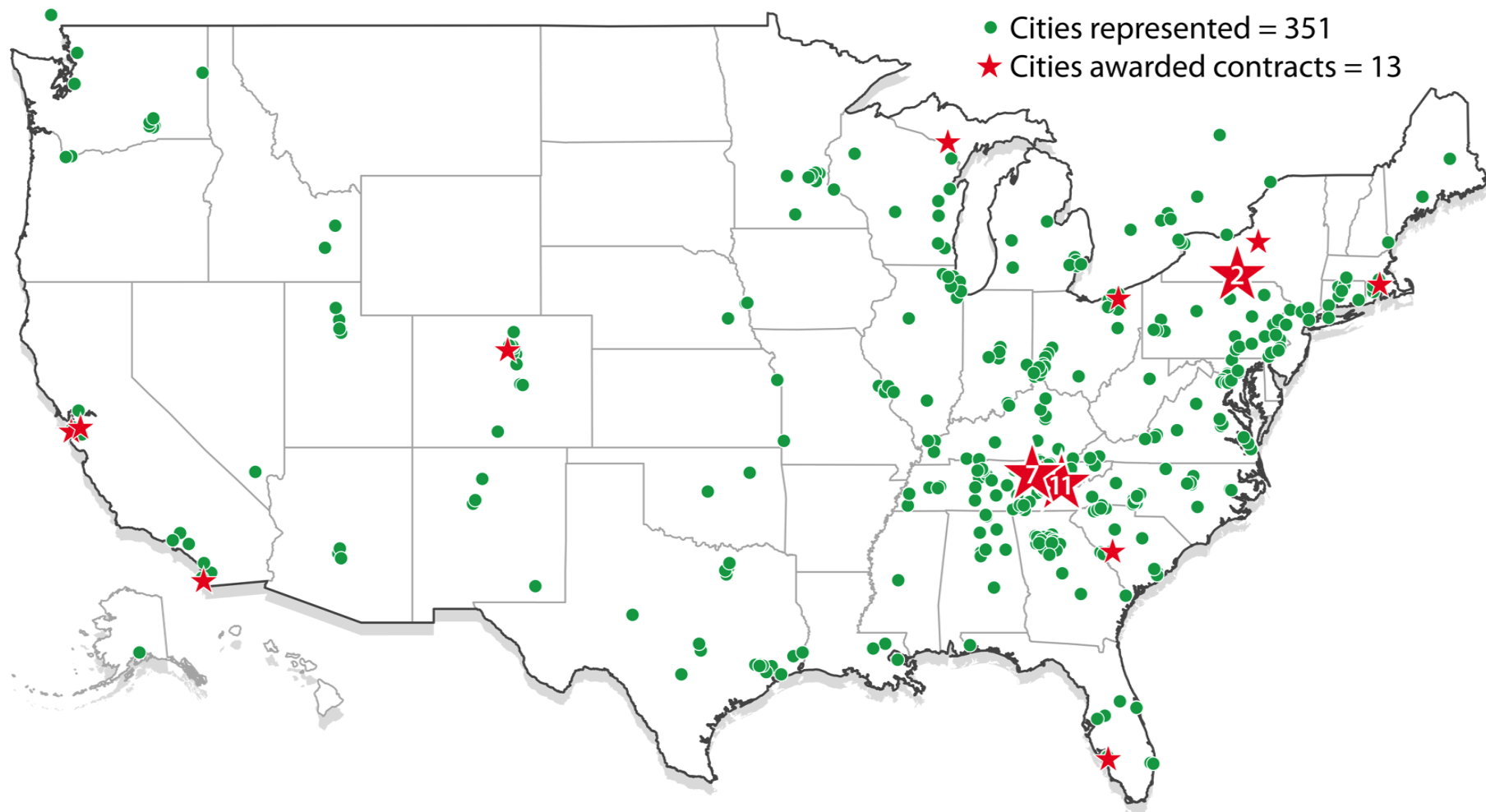
- Four production facilities and three design labs



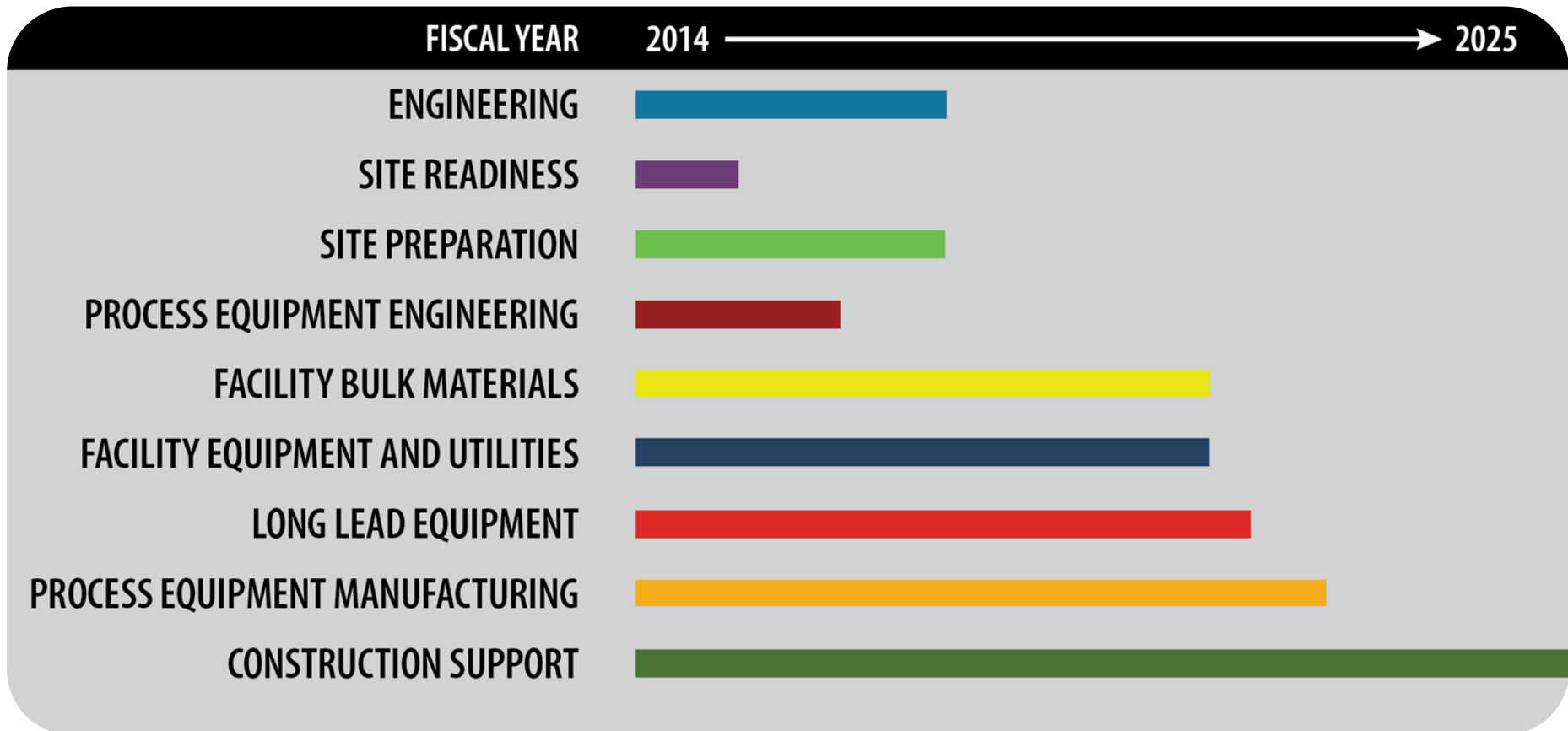
Poised for the Field



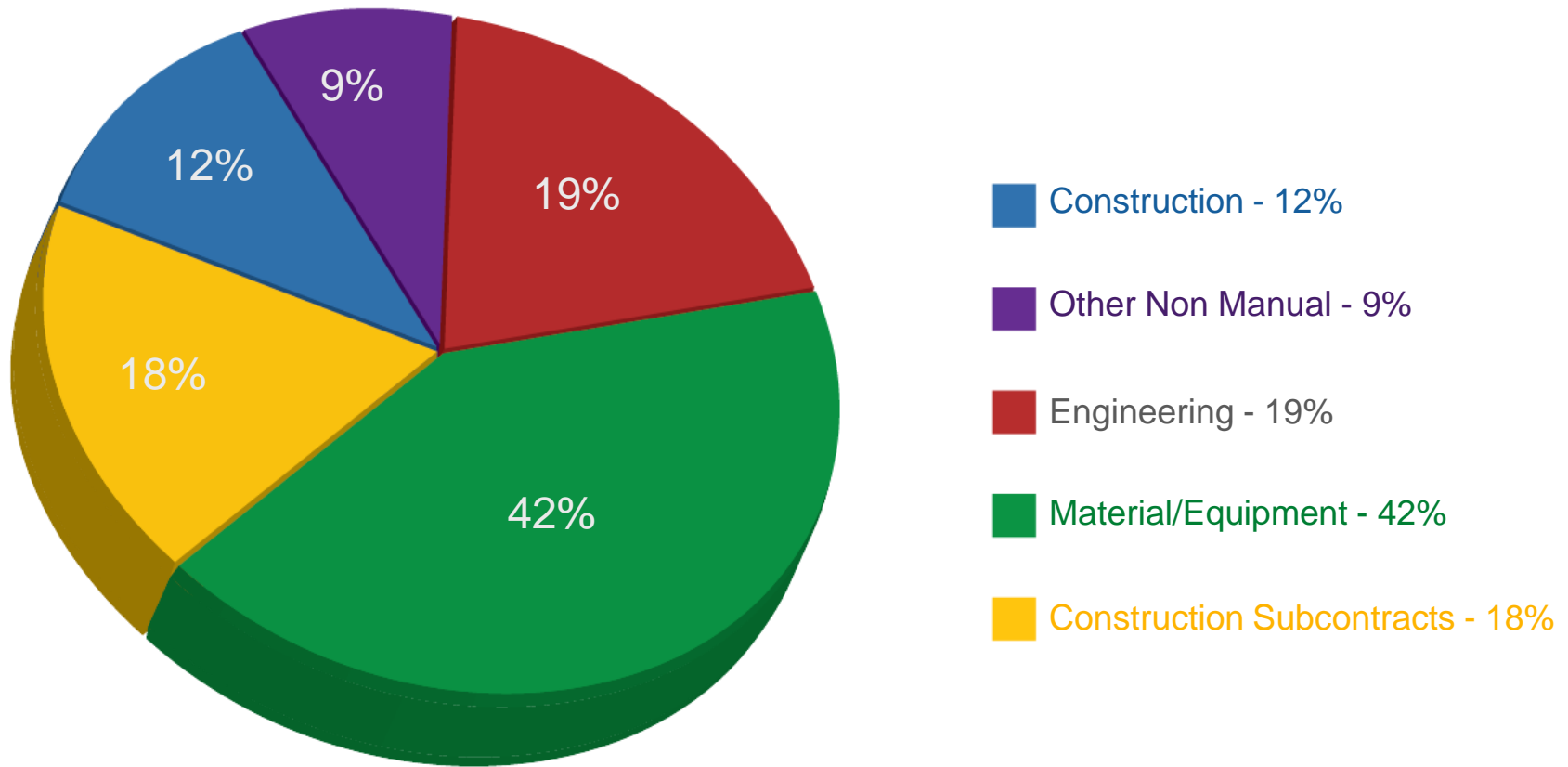
Widespread Interest in Becoming a UPF Supplier



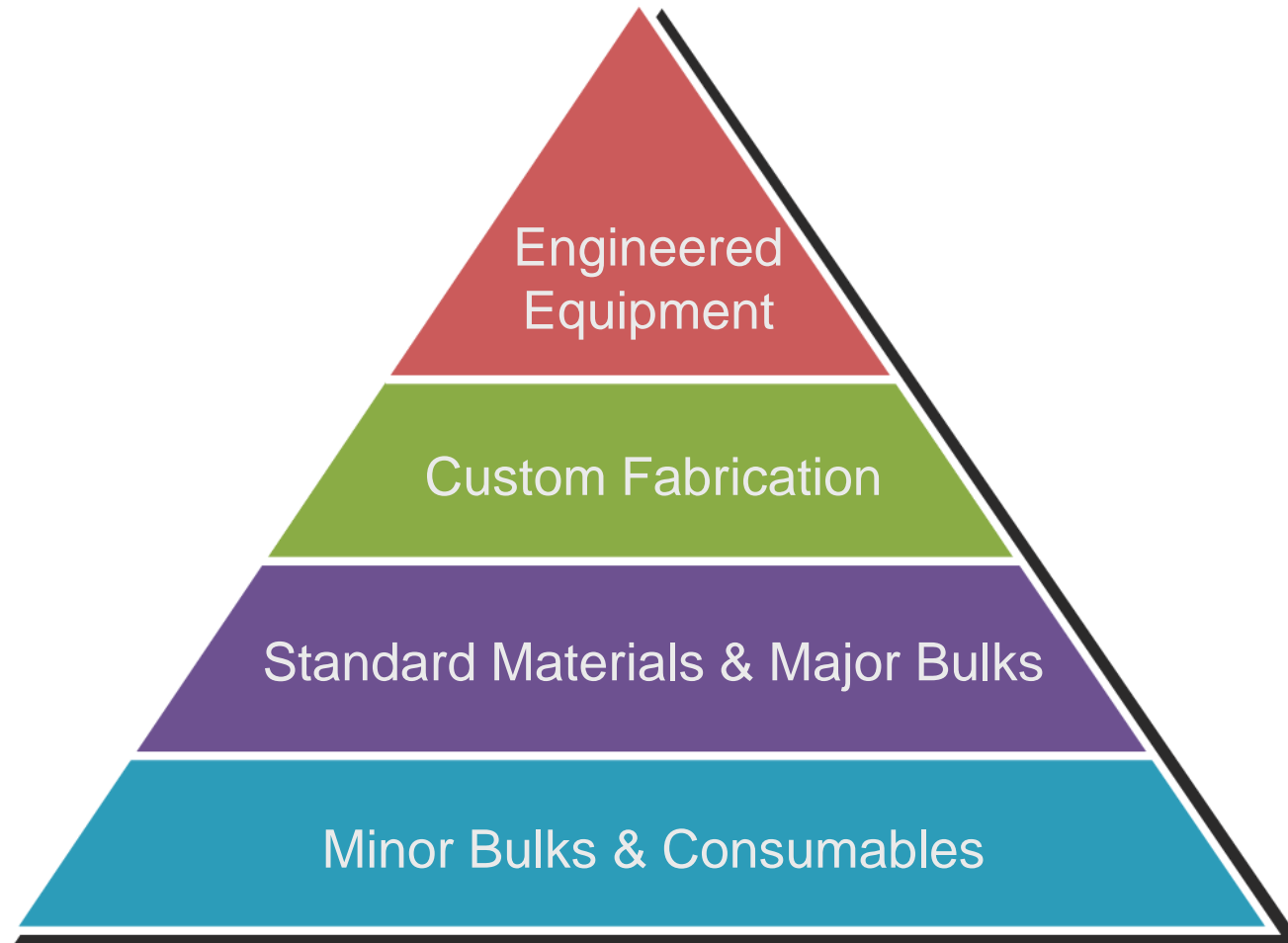
Outlook



UPF Cost Breakdown



UPF Procurement Needs

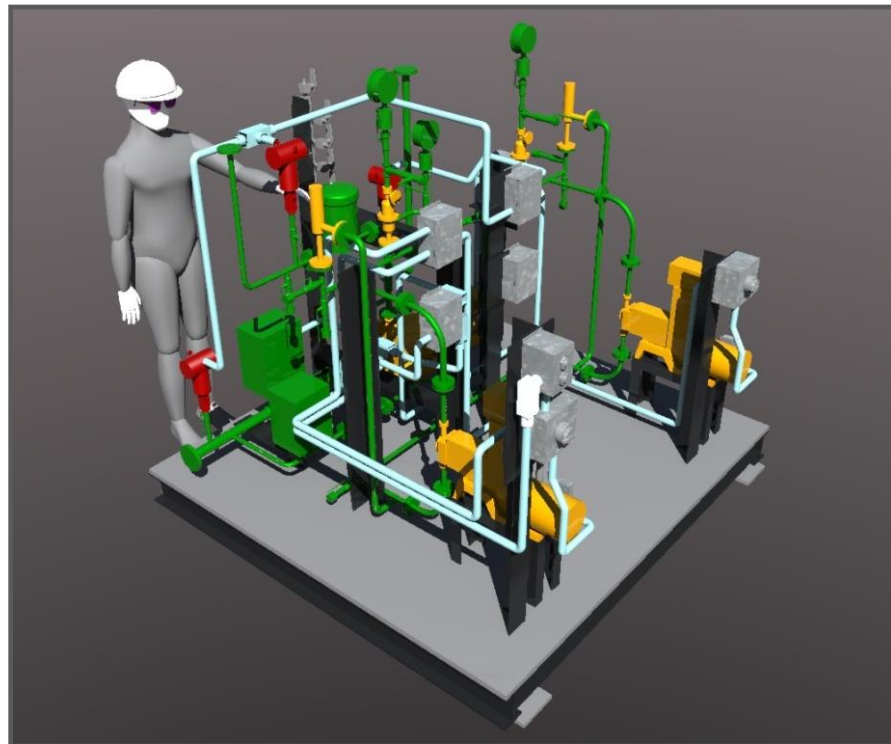


UPF Upcoming Bid Requests

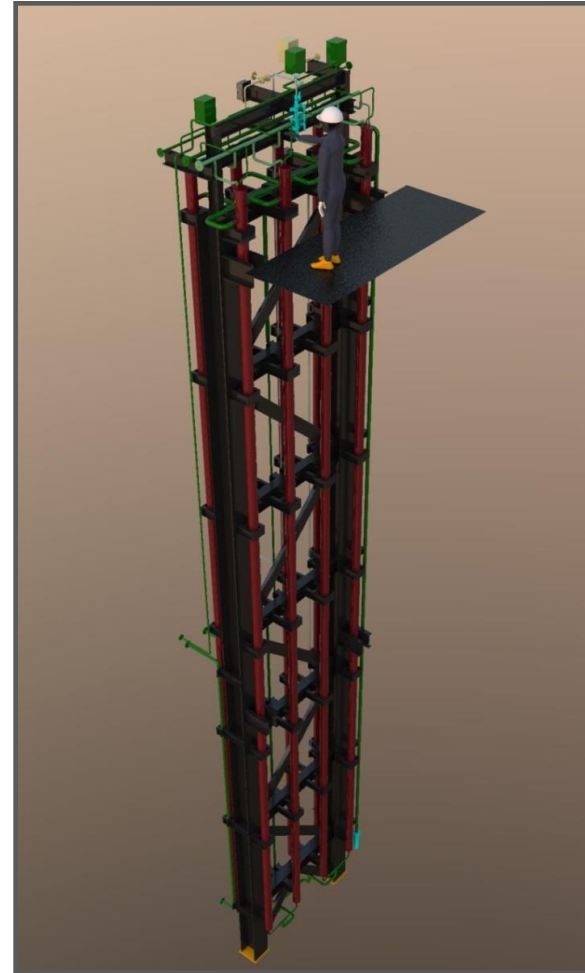
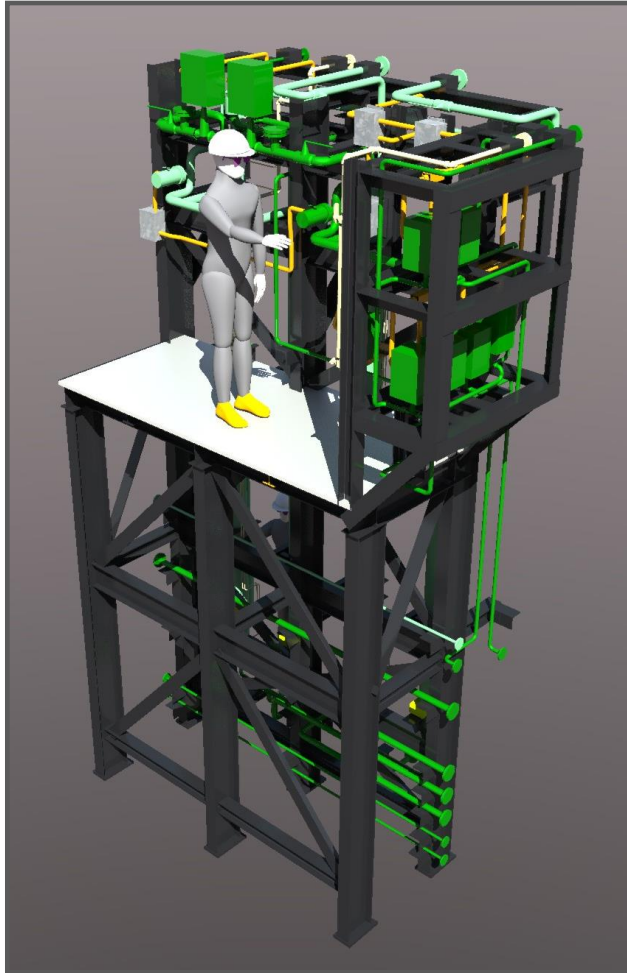
Air Monitoring Devices	Fans, Vaneaxial	Glovebox components	Process & Specialty Skids
Air sampling equipment	Switchyard	Glovebox Integration	Pumps
Air Handling Units	Embed	Glovebox transfer ports	Racks, Staging
Air conditioning, computer room	Evaporators	Glovebox bag-in bag-out ports	Rebar Detail/Supply/Fabrication
Anchor Bolts	Filters, exhaust	Gloveboxes and hoods	Safety Shower
Boiler, process steam	Filters, roughing	Heat Exchangers, off gas cooling	Seismic monitoring and control system
Blowers	Filters, HEPA	Hoists, Monorails, Cranes	Furnaces, Special Process
Blaster Pellet Storage, CO ₂	Tank agitators	HVAC Ductwork	Scrubber, Off gas
Chillers	Fire Detection	Hydraulic Break/Shear Press	Stack Monitoring Equipment
Concrete Formwork	Fire Protection	Insulation	Structural Steel
Condenser	Fire Screen	Lathe, Vertical Turning	Swager
Cooling Towers	Fireproofing	Lightning Protection	Switchgear
Compressors	Firewater Pump Houses	Liquid Transfer Carts	Tanks – shop fab
Dampers, Backdraft	Fluidized bed reactor	Mist Eliminators	Pressure vessels
Dampers, Fire	Diesel Generators	Pipe Hangers	Variable speed drives
Dampers, Automatic	Gas Storage Building	Pipe Spools	Valves, control, process, manual
Distribution Panels	Gas Storage Racks	Piping Manifolds	Wire and Cable
Driers, Desiccant	Glovebox carts	Pinning press	Water purification system

Process Skids: Big Opportunity

- **Build to Print**
- **NQA-1 Quality Standards**
- **Project catalogs for standard components**
- **Structural steel base plates fabricated to AWS D1.1**
- **Piping fabricated in accordance to ANSI B31.3**
- **Stainless steel piping – 316L**
- **Welding per ASME Section IX**



Process Skids – From 5ft - 46ft



Supplier Execution Roadmap

QUALIFY

BID

SELECTION

AWARD

FAB

TEST

DELIVERY



U.S. Department of Energy — 13th Annual Small Business Forum & Expo
June 10-12, 2014 - Tampa, FL



Preparing for UPF



SUPPLIER READINESS COURSES

Week of September 22-26, 2014

Y-12's New Hope Center

- Business Decision Seminar
- Basics of Government Contracting
- Laws and Regulations
- Project Management for Manufacturing
- Nuclear Quality Assurance

How do Vendors Sign Up?

Get listed in UPF Supplier Directory:

Kim Tillman-Threat

865-574-0079

upfprocurement@y12.doe.gov

Equipment:

Elaine Najmola

865-241-0818

najmolame@y12.doe.gov

Register:

<http://supplier.bechtel.com>

Construction:

Ralph Helton

865-576-9097

heltonrs1@y12.doe.gov

Look for the latest procurements:

<http://www.y12.gov>

Check out FedBizOpps:

<https://www.fbo.gov>

Y-12 Small Business Program:

Lisa Copeland

865-241-2090

Copelandl@y12.doe.gov